

Listing of Claims

This listing of claims replaces all prior versions and listings of claims in the application:

1-40. (Cancelled)

41. (Previously Presented) A method of managing data, the method comprising:

displaying a table comprising a one or more rows and columns of data cells having data that belongs to one or more data sets, the table further comprising one or more filter cells, wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the table is displayed;

automatically inserting one or more filter criteria into at least one of the filter cells in response to a selection by a user;

identifying data cells in the table that satisfy the filter criteria in the filter cells;

sorting one or more data sets that include the identified data cells; and

displaying the sorted data sets such that the identified data cells are displayed contiguously and interposed between data cells in the table that do not satisfy the filter criteria in the filter cells, wherein the data cells are identified, sorted, and displayed in response to the selection of the filter criteria, and wherein the data sets associated with the identified data cells are graphically displayed to a user including a highlight, a color or an other image marking that is different from the highlight, the color, or the image marking of the data cells in the table that do not satisfy the filter criteria in the filter cells.

42. (Previously Presented) A method in accordance with claim 41, wherein the one or more filter criteria is predefined in a computer memory.

43. (Previously Presented) A method in accordance with claim 41, wherein automatically inserting the one or more filter criteria into at least one of the filter cells in response to a selection of the one or more filter criteria by a user further comprises:

determining whether the selection by the user triggers automatic insertion of the one or more filter criteria into the filter cells.

44. (Previously Presented) A method of managing data, the method comprising:

displaying, in a window of a display, one or more filter cells and a table including one or more rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

automatically inserting predefined filter criteria into selected filter cells in response to a user selection;

identifying data cells that have content that satisfies the predefined filter criteria of an associated filter cell; and

sorting data sets that include the identified data cells.

45. (Original) A method in accordance with claim 44, wherein the predefined filter criteria is stored in a computer memory.

46. (Previously Presented) A method of managing data, the method comprising:

displaying, in a window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

receiving filter criteria via user interaction with one or more of the filter cells;

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell;

sorting data sets that include the identified data cells, wherein the sorting is based in part upon at least one sort procedure; and

displaying the sorted data sets contiguously and interposed between data sets that are not associated with the identified data cells.

47. (Currently Amended) A method in accordance with claim 46, wherein receiving filter criteria via the user interaction with the one or more of the filter cells further comprises:

receiving the filter criteria in response to a selection of a predefined filter criteria by the user ; and

automatically inserting the predefined filter criteria into one or more of the filter cells.

48. (Currently Amended) A method in accordance with claim 47, wherein [[the]] a predefined set of filter criteria is stored in a computer memory.

49. (Previously Presented) A method in accordance with claim 46, further comprising ending display of the data sets that are not associated with the identified data cells.

50. (Previously Presented) A method in accordance with claim 49, wherein ending display of the data sets that are not associated with the identified data cells is based at least in part on user input.

51. (Previously Presented) A method in accordance with claim 46, wherein displaying the sorted data sets further includes displaying the sorted data sets in the table at a position at approximately one-third of the height of the table.

52. (Previously Presented) A method of managing data, the method comprising:
displaying, in a window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

receiving filter criteria via user interaction with one or more of the filter cells;

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell;

sorting the data sets that include the identified data cells, wherein the sorting is based in part upon at least one sort procedure; and

displaying at least the identified data cells, wherein the identified data cells are graphically displayed including a highlight, a color or an other image marking, and wherein the highlight, the color, or the image marking is automatically applied to at least some of the identified data cells that satisfy the filter criteria.

53. (Previously Presented) A method in accordance with claim 52, further comprising: receiving the filter criteria in response to a selection of a predefined filter criteria by the user; and

automatically inserting the predefined filter criteria into one or more of the filter cells.

54. (Currently Amended) A method in accordance with claim 53, wherein [[the]] a predefined set of filter criteria is stored in a computer memory.

55. (Currently Amended) A method of managing data, the method comprising: displaying, in a window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

receiving filter criteria via user interaction with one or more of the filter cells;

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell;

sorting the data sets that include the identified data cells, wherein the sorting is based in part upon at least one sort procedure; and

displaying the sorted data sets in response to one of

a) a character-by-character input into the filter cells, or

b) lapse of a preset pause period during which no ~~input~~ character is ~~received by~~ input into any of the filter cells.

56. (Previously Presented) A method in accordance with claim 55, further comprising: receiving the filter criteria in response to a selection of a predefined filter criteria by the user; and

automatically inserting the predefined filter criteria into one or more of the filter cells.

57. (Previously Presented) A method in accordance with claim 56, wherein the predefined filter criteria is stored in a computer memory.

58. (Previously Presented) A method of managing data, the method comprising: displaying, in a single window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

sorting the data sets based in part upon at least one of the sort procedures;

receiving user-defined filter criteria via user interaction with one or more of the filter cells within the window; and

identifying data cells in the table that have content that satisfies the user-defined filter criteria of an associated filter cell.

59. (Previously Presented) A method in accordance with claim 58, further comprising: receiving the user-defined filter criteria in response to a selection of a predefined filter criteria by the user; and

automatically inserting the user-defined predefined filter criteria into one or more of the filter cells.

60. (Previously Presented) A method in accordance with claim 59, further comprising storing the predefined filter criteria in a computer memory.

61. (Previously Presented) A method of managing data, the method comprising: displaying, in a window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

receiving filter criteria via user interaction with one or more of the filter cells;

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell;

computing a sorting priority list, wherein the sorting priority list is based at least in part on the filter criteria; and

sorting the data sets associated with the identified data cells based at least in part upon the sorting priority list.

62. (Previously Presented) A method in accordance with claim 61, further comprising:
receiving the filter criteria in response to a selection of a predefined filter criteria by the user; and

automatically inserting the predefined filter criteria into one or more of the filter cells.

63. (Previously Presented) A method in accordance with claim 62, wherein the predefined filter criteria is stored in a computer memory.

64. (Previously Presented) A method of managing data, the method comprising:
displaying, in a window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

receiving filter criteria via user interaction with one or more of the filter cells;

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell;

providing a sorting priority list that defines an order for sort procedures, wherein the sorting priority list is based at least in part upon a number of characters in the filter criteria that are received via the user interaction with one or more filter cells; and

sorting the data sets that include the identified data cells based on the sort procedures, wherein the sorting is done in the order defined by the sorting priority list.

65. (Previously Presented) A method in accordance with claim 64, further comprising: receiving the filter criteria in response to a selection of a set of filter criteria by the user; and

automatically inserting the set of filter criteria into one or more of the filter cells.

66. (Previously Presented) A method in accordance with claim 65, wherein the set of filter criteria is stored in a computer memory.

67. (Previously Presented) A method of managing data, the method comprising: displaying, in a window of a display, one or more filter cells and a table including one or more rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

automatically inserting predefined filter criteria into selected filter cells in response to a user selection, wherein the predefined filter criteria have been previously defined ~~in a~~ for selected filter cells;

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell; and

sorting the data sets that include the identified data cells.

68. (Previously Presented) A method in accordance with claim 67, wherein the content of each one of the data cells is selectable by a user to become user-defined filter criteria for the row or column associated with the selected content.

69. (Previously Presented) A method in accordance with claim 67, wherein automatically inserting predefined filter criteria into at least one of the filter cells in response to a user selection further comprises:

determining whether the user selection triggers automatic insertion of the predefined filter criteria in the filter cells.

70. (Previously Presented) A method in accordance with claim 67, wherein the predefined filter criteria are stored in a computer memory.

71. (Previously Presented) A method of managing data, the method comprising:
displaying, in a window of a display, a plurality of filter cells and a table including a plurality of rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, wherein each of the data cells is associated with at least one of the filter cells, wherein each of the columns or rows is associated with a sort procedure, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

sorting the data sets based in part upon one or more of the sort procedures;

receiving filter criteria via user interaction with one or more of the filter cells within the window; and

identifying data cells in the table that have content that satisfies the filter criteria of an associated filter cell.

72. (Original) A method in accordance with claim 71, wherein the filter criteria for at least one of the filter cells is selected from a list of predetermined values.

73. (Original) A method in accordance with claim 72, wherein one or more of the predetermined values are selectable by a user selection, and wherein data cells that satisfy at least one of the predetermined values are identified in response to the user selection.

74. (Previously Presented) A method in accordance with claim 72, further comprising, in response to the user selection, assigning the selected filter criteria to one or more other filter cells.

75. (Previously Presented) A method in accordance with claim 74, wherein sorting and identifying occur in response to the user selection.

76. (Original) A method in accordance with claim 74, further comprising displaying a set of pre-stored filter criteria for filtering two or more of the rows or columns.

77. (Original) A method in accordance with claim 76, wherein the set of pre-stored filter criteria is selectable by a user selection, and wherein sorting and identifying occur in response to the user selection.

78. (Currently Amended) A system for managing data, the system comprising:

a first module configured to display, in a window of a display, one or more filter cells and a table including one or more rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, and wherein each of the data cells is associated with at least one of the filter cells, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

a second module configured to automatically insert predefined filter criteria into selected filter cells in response to a user selection;

a third module configured to identify data cells in the table that have content that satisfies the predefined filter criteria of an associated filter cell; and

a fourth module configured to sort the data sets that include the identified data cells,
wherein the first module, the second module, the third module, and the fourth module
reside on and can be executed on one or more data processing machines.

79. (Previously Presented) A system for managing data, the system comprising:

means for displaying, in a window of a display, one or more filter cells and a table including one or more rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, and wherein each of the data cells is associated with at least one of the filter cells, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

means for automatically inserting predefined filter criteria into selected filter cells in response to a user selection;

means for identifying data cells in the table that have content that satisfies the predefined filter criteria of an associated filter cell; and

means for sorting the data sets that include the identified data cells.

80. (Previously Presented) A computer readable medium storing a program which performs a method of managing data, the program comprising:

code for displaying, in a window of a display, one or more filter cells and a table including one or more rows and columns of data cells, wherein each data cell includes content that belongs to one or more data sets, and wherein each of the data cells is associated with at least one of the filter cells, and wherein the filter cells comprise interactive display elements configured to receive input from a user for whom the window of the display is displayed;

code for automatically inserting predefined filter criteria into selected filter cells in response to a user selection;

code for identifying data cells in the table that have content that satisfies the predefined filter criteria of an associated filter cell; and

code for sorting the data sets that include the identified data cells.

81. (Canceled)

82. (Currently Amended) A method in accordance with claim ~~[[81]]~~ 71, further comprising displaying the identified data cells, wherein the identified data cells are graphically displayed including a highlight, a color or an other image marking, and wherein the highlight, the color, or the image marking is automatically applied to at least some of the identified data cells that satisfy the filter criteria.

83. (Currently Amended) A method in accordance with claim ~~[[81]]~~ 71, further comprising saving the content in one or more of the filter cells into a list of pre-stored filter queries.

84. (Original) A method in accordance with claim 83, further comprising automatically filling one or more filter cells from the list of pre-stored filter queries.

85. (Currently Amended) A method in accordance with claim ~~[[81]]~~ 71, wherein the content that belongs to a data set includes one or more links to related information outside the data set.

86. (Original) A method in accordance with claim 85, wherein the one or more links include at least one Internet address related to the data set.

87. (Cancelled)

88. (Currently Amended) A method in accordance with claim 46, wherein the identified data cells are positioned automatically within the data table, vertically and horizontally as necessary, so that the identified data cells are displayed in the window at a level and position ~~most~~ suitable for viewing by the user.

89. (Previously Presented) A method in accordance with claim 46, further comprising removing a row data set from a group of marked identified row data sets in response to user interaction.

90. (Previously Presented) A method in accordance with claim 46, further comprising identifying one or more unmarked row data sets and marking and adding the identified one or more row data sets to a group of identified data sets in response to user interaction.